

Title (en)

STEEL PISTON HAVING A PHOSPHATE LAYER

Title (de)

STAHLKOLBEN MIT EINER PHOSPHAT-SCHICHT

Title (fr)

PISTON EN ACIER POURVU D'UNE COUCHE DE PHOSPHATE

Publication

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Application

**EP 18722516 A 20180504**

Priority

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Abstract (en)

[origin: WO2018202849A1] The invention relates to a steel piston for an internal combustion engine, comprising an amorphous phosphate layer in at least one region thereof. Said layer improves adhesion of a solid film lubricant.

IPC 8 full level

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CPC (source: EP RU US)

**C23C 22/08** (2013.01 - EP RU US); **C23C 22/18** (2013.01 - US); **C23C 22/83** (2013.01 - EP RU US); **F02F 3/10** (2013.01 - EP RU US); **C10N 2080/00** (2013.01 - EP)

Citation (search report)

See references of WO 2018202849A1

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**WO 2018202849 A1 20181108**; BR 112019023182 A2 20200519; CN 110892142 A 20200317; CN 110892142 B 20221206; DE 102017207591 A1 20181108; EP 3619416 A1 20200311; EP 3619416 B1 20211013; PL 3619416 T3 20220307; RU 2019139407 A 20210607; RU 2019139407 A3 20211006; RU 2769041 C2 20220328; US 2020102656 A1 20200402

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